

#4

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/676,125ADATE: 01/14/98
TIME: 11:52:50

INPUT SET: S22580.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

2-18-98

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: MARKLAND, William
6 LADNER, Robert Charles
7
8 (ii) TITLE OF INVENTION: KALLIKREIN-INHIBITING "KUNITZ DOMAIN" PROTEINS AND ANA
9
10 (iii) NUMBER OF SEQUENCES: 70
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Yankwich & Associates
14 (B) STREET: 130 Bishop Allen Drive, fifth floor
15 (C) CITY: Cambridge
16 (D) STATE: Massachusetts
17 (E) COUNTRY: United States of America
18 (F) ZIP: 02139
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: Word for Windows 6.1
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: 08/676,125
28 (B) FILING DATE: 25 September 1996
29 (C) CLASSIFICATION:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: PCT/US95/00299
33 (B) FILING DATE: 11 January 1995
34
35 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: 08/179,964
37 (B) FILING DATE: 11 January 1994
38
39 (vii) PRIOR APPLICATION DATA:
40 (A) APPLICATION NUMBER: 08/208,264
41 (B) FILING DATE: 10 March 1994
42
43 (viii) ATTORNEY/AGENT INFORMATION:
44 (A) NAME: YANKWICH, Leon R.
45 (B) REGISTRATION NUMBER: 30,237
46 (C) REFERENCE/DOCKET NUMBER: DYX-006.2P US

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47
48 (ix) TELECOMMUNICATION INFORMATION:
49 (A) TELEPHONE: (617) 491-4343
50 (B) TELEFAX: (617) 491-8801
51
52
53 (2) INFORMATION FOR SEQ ID NO:1:
54
55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH:8 amino acids
57 (B) TYPE: amino acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear
60
61 (ii) MOLECULE TYPE: protein
62
63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
64
65 Ile Val Gly Gly Thr Asn Ser Ser
66 1 5
67
68 (2) INFORMATION FOR SEQ ID NO:2:
69
70 (i) SEQUENCE CHARACTERISTICS:
71 (A) LENGTH:58 amino acids
72 (B) TYPE: amino acid
73 (C) STRANDEDNESS: single
74 (D) TOPOLOGY: linear
75
76 (ii) MOLECULE TYPE: protein
77
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
79
80 Arg Pro Asp Phe Cys Leu Glu Pro Pro Tyr Thr Gly Pro Cys Lys Ala
81 1 5 10 15
82
83 Arg Ile Ile Arg Tyr Phe Tyr Asn Ala Lys Ala Gly Leu Cys Gln Thr
84 20 25 30
85
86 Phe Val Tyr Gly Gly Cys Arg Ala Lys Arg Asn Asn Phe Lys Ser Ala
87 35 40 45
88
89 Glu Asp Cys Met Arg Thr Cys Gly Gly Ala
90 50 55
91
92 (2) INFORMATION FOR SEQ ID NO:3:
93
94 (i) SEQUENCE CHARACTERISTICS:
95 (A) LENGTH:58 amino acids
96 (B) TYPE: amino acid
97 (C) STRANDEDNESS: single
98 (D) TOPOLOGY: linear
99

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100 (ii) MOLECULE TYPE: protein
101
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
103
104 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala
105 1 5 10 15
106
107 Ile Met Lys Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
108 20 25 30
109
110 Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu
111 35 40 45
112
113 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
114 50 55
115
116 (2) INFORMATION FOR SEQ ID NO:4:
117 (i) SEQUENCE CHARACTERISTICS:
118 (A) LENGTH:58 amino acids
119 (B) TYPE: amino acid
120 (C) STRANDEDNESS: single
121 (D) TOPOLOGY: linear
122
123 (ii) MOLECULE TYPE: protein
124
125
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
127
128 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
129 1 5 10 15
130
131 Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
132 20 25 30
133
134 Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
135 35 40 45
136
137 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
138 50 55
139
140 (2) INFORMATION FOR SEQ ID NO:5:
141 (i) SEQUENCE CHARACTERISTICS:
142 (A) LENGTH:58 amino acids
143 (B) TYPE: amino acid
144 (C) STRANDEDNESS: single
145 (D) TOPOLOGY: linear
146
147 (ii) MOLECULE TYPE: protein
148
149
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
151
152 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala

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153      1              5              10              15
154
155  Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
156              20              25              30
157
158  Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu
159              35              40              45
160
161  Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
162      50              55
163
164  (2) INFORMATION FOR SEQ ID NO:6:
165      (i) SEQUENCE CHARACTERISTICS:
166          (A) LENGTH:58 amino acids
167          (B) TYPE: amino acid
168          (C) STRANDEDNESS: single
169          (D) TOPOLOGY: linear
170
171      (ii) MOLECULE TYPE: protein
172
173
174      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
175
176  Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala
177      1              5              10              15
178
179  Asn His Leu Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
180              20              25              30
181
182  Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
183              35              40              45
184
185  Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
186      50              55
187
188  (2) INFORMATION FOR SEQ ID NO:7:
189      (i) SEQUENCE CHARACTERISTICS:
190          (A) LENGTH:58 amino acids
191          (B) TYPE: amino acid
192          (C) STRANDEDNESS: single
193          (D) TOPOLOGY: linear
194
195      (ii) MOLECULE TYPE: protein
196
197      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
198
199  Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
200      1              5              10              15
201
202  Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
203              20              25              30
204
205  Phe Thr Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu

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206          35          40          45
207
208 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
209      50          55
210
211 (2) INFORMATION FOR SEQ ID NO:8:
212     (i) SEQUENCE CHARACTERISTICS:
213         (A) LENGTH:58 amino acids
214         (B) TYPE: amino acid
215         (C) STRANDEDNESS: single
216         (D) TOPOLOGY: linear
217
218     (ii) MOLECULE TYPE: protein
219
220
221     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
222
223 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
224   1          5          10          15
225
226 Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Gln
227          20          25          30
228
229 Phe Thr Tyr Gly Gly Cys Ala Gly Asn Gln Asn Arg Phe Glu Ser Leu
230          35          40          45
231
232 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
233      50          55
234
235 (2) INFORMATION FOR SEQ ID NO:9:
236     (i) SEQUENCE CHARACTERISTICS:
237         (A) LENGTH:58 amino acids
238         (B) TYPE: amino acid
239         (C) STRANDEDNESS: single
240         (D) TOPOLOGY: linear
241
242     (ii) MOLECULE TYPE: protein
243
244
245     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
246
247 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
248   1          5          10          15
249
250 Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
251          20          25          30
252
253
254 Phe Ile Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
255          35          40          45
256
257 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
258      50          55

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SEQUENCE VERIFICATION REPORT
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Original Text